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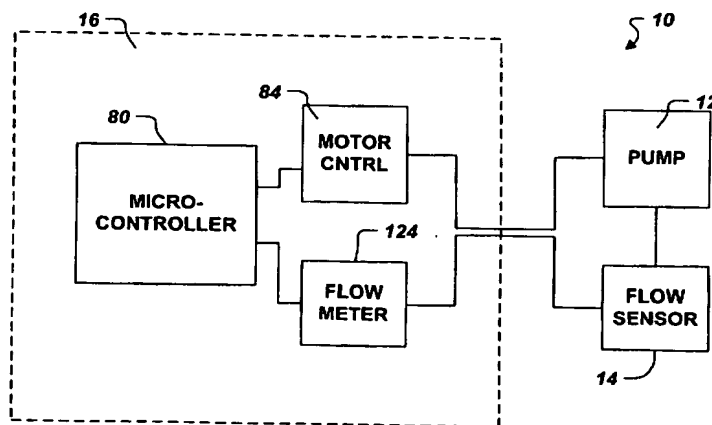
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[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR PHYSIOLOGIC CONTROL OF A BLOOD PUMP



(57) Abstract: A physiologic control system and method for controlling a blood pump system such as a VAD system. The pump system includes, for example, a blood pump (12) and a controller (80) for controlling the pump. The system may further include a flow measurement device (124). Various control schemes are disclosed, including controlling the pump to achieve one or more of a desired speed, flow rate, or flow pulsatility. Additionally, various methods for determining maximal flow (the maximum flow that can be achieved for the patient while maintaining certain parameters or within certain boundaries) are disclosed.

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